(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 21 April 2005 (21.04.2005)

PCT

(10) International Publication Number WO 2005/035486 A1

(51) International Patent Classification7: C07C 311/16, 311/29, A01N 41/06

(21) International Application Number:

PCT/EP2004/011004

(22) International Filing Date: 1 October 2004 (01.10.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/507,507

2 October 2003 (02.10.2003)

(71) Applicant (for all designated States except US): BASF AKTIENGESELLSCHAFT [DE/DE]; D-67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): VON DEYN, Wolfgang [DE/DE]; An der Bleiche 24, 67435 Neustadt (DE). BAUMANN, Ernst [DE/DE]; Falkenstrasse 6a, 67373 Dudenhofen (DE). HOFMANN, Michael [DE/DE]; Lutherstr.2, 67059 Ludwigshafen (DE). KORDES, Markus [DE/DE]; Bensheimer Ring 13 d, 67227 Frankenthal (DE). PUHL, Michael [DE/DE]; Bürstädter Str. 95, 68623 Lampertheim (DE). SCHMIDT, Thomas [DE/DE]; Pfarrgasse 8, 67433 Neustadt (DE). TEDESCHI, Livio [IT/DE]; Kleinfeldstrasse 48a, 68165 Mannheim (DE). RACK, Michael [DE/DE]; Sandwingert 67, 69123 Heidelberg (DE). BUCCI, Toni [US/US]; 2629 Hidden Meadow Drive, Fuquay Varina, NC 27526 (US). CUL-BERTSON, Deborah, L. [US/US]; 6400 Vintage Ridge Lane, Fuquay-Varina, NC 27526 (US). COTTER, Henry,

Van Tuyl [US/US]; 8329 Lakewood Drive, Raleigh, NC 27613 (US). OLOUMI-SADEGHI, Hassan [US/US]; 12105 Pawley's Mill Circle, Raleigh, NC 27614 (US).

(74) Agent: REISTÖTTER-KINZEBACH & PARTNER (GBR); Ludwigsplatz 4, 67059 Ludwigshafen (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

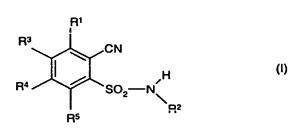
Published:

with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: 2-CYANOBENZENESULFONAMIDES FOR COMBATING ANIMAL PESTS



(57) Abstract: The invention relates to 2-cyanobenzenesulfonamide compounds of the formula (I) where the variables R1 to R5 are as defined in claim 1 and/or to their agriculturally useful salts. Moreover, the present invention relates to the use of compounds (I) and/or their salts for combating animal pests; agricultural compositions comprising such an amount of at least one compound of the general formula (I) and/or at least one agriculturally useful salt of I and at least one inert liquid and/or solid agronomically acceptable carrier that it has a pesticidal action and, if desired, at least one surfactant; and a method of combating

animal pests which comprises contacting the animal pests, their habit, breeding ground, food supply, plant, seed, soil, area, material or environment in which the animal pests are growing or may grow, or the materials, plants, seads, soils, surfaces or spaces to be protected from animal attack or infestation with a pesticidally effective amount of at least one 2-cyanobenzenesulfonamide compound of the general formula I and/or at least one agriculturally acceptable salt thereof.